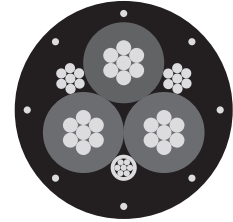


Anaconda® Brand Type G-GC Power, Round Portable w/Ground-Check, EPR/CPE 2000 Volts, 90°C, Three Conductor



Product Construction

Conductor:

- 6 AWG thru 500 kcmil coated annealed copper, bunched wires, rope-lay-stranded per ASTM B172

Insulation:

- Ethylene Propylene Rubber (EPR) insulation colored (black, white and red)

Ground-Check-Conductor:

- Annealed copper, rope-lay-stranded per ASTM B172, insulated with high-strength yellow polypropylene

Grounding Conductors:

- Two coated copper, rope-lay-stranded per ASTM B172

Jacket:

- Reinforced, two-layer, extra-heavy-duty, lead-cured Chlorinated Polyethylene (CPE)

Jacket Marking:

- GENERAL CABLE® ANACONDA® BRAND (SIZE) 3/C TYPE G-GC 2000 VOLTS FT1 FT5 P-7K-102-045 MSHA

Options:

- Colored jackets are available
- Anamaxx® jacket

Applications:

- Designed for use as trailing cables on AC mining equipment:
 - Where a ground-check conductor is required for fail-safe monitoring
 - Where induced voltages in the grounding system will not present a hazard

Features:

- Ground-check-conductor provides fail-safe ground monitoring for maximum safety
- Improved ground-check conductor has longer flex life and durability
- Rope-lay-stranded conductors are extremely flexible and resistant to wire breakage

Features (cont'd.):

- Excellent heat, moisture, steam, oil, chemical and radiation resistance
- Flexible for easy handling
- Resists cutting, impact, abrasion, flame and sunlight
- Excellent thermal stability and physical properties over a broad temperature range
- Two-layer jacket is reinforced to provide maximum protection from mechanical damage—the cause of most portable cable failures

Compliances:

- ICEA S75-381 Portable and Power Feeder Cables for use in mines and similar applications
- Meets flame test requirements and is accepted for listing by MSHA
- Approved by the Pennsylvania Department of Environmental Protection

Packaging:

- Material cut to length and shipped on non-returnable reels

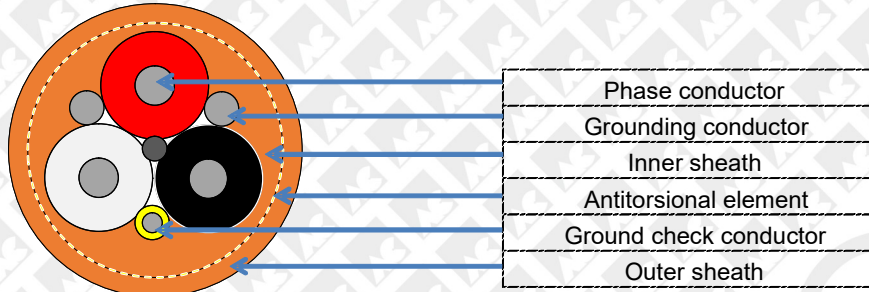
6 THRU 500 KCMIL CONDUCTORS, THREE CONDUCTOR, ROUND PORTABLE W/GROUND-CHECK, TYPE G-GC - 2000 VOLTS

CATALOG NUMBER	NO. OF COND.	COND. SIZE (AWG)	COND. STRAND	NOMINAL INSULATION THICKNESS		GRD. COND. SIZE (AWG)	GRD-CHECK COND. SIZE (AWG)	NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT		AMPACITY
				INCHES	mm			INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	
13306.644092	3	6	133	0.060	1.5	10	10	1.05	26.6	360	536	735	1094	79
13304.693196	3	4	259	0.060	1.5	8	10	1.19	30.2	533	794	1065	1585	104
13354.340300	3	3	259	0.060	1.5	8	10	1.24	31.5	654	974	1245	1853	120
13302.772159	3	2	259	0.060	1.5	7	10	1.34	34.0	791	1178	1480	2202	138
13301.422060	3	1	259	0.080	2.0	6	8	1.51	38.3	1016	1512	1885	2805	161
13351.608053	3	1/0	259	0.080	2.0	5	8	1.65	41.9	1263	1880	2290	3408	186
13352.555382	3	2/0	329	0.080	2.0	4	8	1.75	44.4	1581	2352	2710	4033	215
13354.645300	3	3/0	413	0.080	2.0	3	8	1.89	48.0	2023	3010	3270	4866	249
13354.774063	3	4/0	532	0.080	2.0	2	8	2.04	51.8	2535	3773	3975	5915	287
13354.646000	3	250	608	0.095	2.4	2	6	2.39	60.7	2932	4364	4950	7366	320
13352.556200	3	350	851	0.095	2.4	1/0	6	2.68	68.0	4068	6054	6625	9859	394
13354.646500	3	500	1221	0.095	2.4	2/0	6	3.03	76.9	5831	8677	8890	13230	487

Stock items are available in long lengths for cutting to your specifications. All lengths are subject to a tolerance of +/-5%. Dimensions and weights shown are nominal; subject to standard industry tolerances. Actual shipping weight may vary. These ampacities are based on a conductor temperature of 90°C and an ambient air temperature of 40°C, per ICEA S-75-381, NEMA WC-58. For ampacities per National Electrical Code® requirements, refer to the latest NEC edition.



URSUS® G-GC 2KV



CABLE DESCRIPTION

The cable is suitable for use at maximum continuous conductor temperature of 90°C under normal operating condition rated at 2000 V, for indoor and outdoor use (ozone and UV resistant) and in rugged environments, up to a minimum environmental temperature of -40°C, to supply power to mobile equipment and machinery.

Excellent flexibility and heat resistance with an overall jacket tear and abrasion resistant, excellent moisture and chemical resistance.

CABLE CONSTRUCTION

CONDUCTORS	Flexible strand copper, acc. to UL 44
INSULATION MATERIAL	Thermoset EP compound
INSULATION THICKNESS	Acc. to CSA C22.2 No.96
GROUNDING COND.	Flexible strand copper, acc. to UL 44
GROUND CHECK	Yellow Thermoset EP compound Stranded construction with central filler KEVLAR® support
ASSEMBLY	Twisted elements with short length of lay to improved flexibility colour code: black-white-red and yellow (GC)
INNER SHEATH	Orange CPE compound tear and abrasion resistance
ANTITORSIONAL ELEMENT	Textile fibre
OUTER SHEATH	Orange CPE compound tear and abrasion resistance



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TECHNICAL DATA SHEET

URSUS® G-GC 2KV

Date: 18/05/2023

N° 16842 - rev.00

R&D

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WORKING DATA

Rated Voltage	2000 V
Dielectric strength (voltage test)	According to UL 2556
Maximum working temperature on the conductor	+ 90°C dry and wet
Maximum short circuit temperature	+ 250°C
Low temperature rating	- 40°C
Minimum bending radius	6 times the outer cable diameter
Burning behaviour	FT 1 – FT 5
Other features	Oil resistance; Sunlight resistance; Ozone resistance; Lead free

APPROVALS and COMPLIANCE

Mine Safety & Health Administration: 07-KA200006-MSHA

RoHS Compliant

Standard: based on ASTM B 172 and Portable Cable UL 1560 and C22.2 No.96

DIMENSION

Power conductor size	Insulation thickness	Ground check size	Ground size	Nominal outer diameter	Approx. Weight
AWG or MCM	inches	AWG	AWG	inches	Lbs. per 1000ft
6	0.060	10	10	1.09	850
4	0.060	10	8	1.17	1100
2	0.060	8	6	1.37	1600
1/0	0.080	8	5	1.59	2200
2/0	0.080	8	4	1.69	2600
4/0	0.080	8	2	1.96	3800

